

### **ABSTRACT OF THE DISCLOSURE**

A method for executing a single directive of a program in a programmable logic controller is used for debugging the program. When the PLC is in a single directive mode, it executes a determined program one directive at a time, as it receives execution  
5 commands. Once executing the directive, the PLC stops executing the program and waits to receive another execution command to execute the next directive. Without another execution command, the PLC stays in a standby mode. Hence the users can debug the program easily.